Scanned by	Date	Doc ID #
DCH	5/15/08	4521

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

WEYERHAEUSER CELLULOSE FIBERS FACILITY

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: DAVID F. GARDNER Phone: 252.633.7427

E-mail: dave.gardner@weyerhaeuser.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
WEYERHAEUSER CELLULOSE FIBERS	P.O. Box 1391 NEW BERN, NC 28562	2502	NC 2L STD. NCGWP STD.	FEB. 21, 2008

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☐ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify)
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

DAVID F. GARDNER ENVIRONMENTAL MANAGER 252.633.7427
Facility Representative Name (Print) Title (Area Code) Telephone Number

David F. Gardner March 19, 2008
Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

Revised 01/2007

Weyerhaeuser
The future is growing™

Weyerhaeuser Company
PO Box 1391
New Bern, NC 28562
David F. Gardner
Environmental and Security Manager
Office: (252) 633-7427
Cell: (252) 229-0982
FAX: (252) 633-7560
e-mail: dave.gardner@weyerhaeuser.com

March 19, 2008

Compliance Unit NCDENR-DWM
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646
Attn: Irvin Lane

CERTIFIED MAIL
7005-2570-0001-8907-5549

Re; Groundwater Monitoring Data
Landfill # 2502
Craven County

To Whom It May Concern:

Please find enclosed a completed copy of the ***Environmental Monitoring Report Form*** and a completed ***Table of Values Which Exceed Established Standards and/or Exceed Reporting Levels*** for the Weyerhaeuser Cellulose Fiber Facility located in New Bern Craven County, NC.

Should you have any questions or comments concerning these data please feel free to contact me?

Sincerely,
David F. Gardner
David F. Gardner
Environmental Manager

J. Ashley
R. Brinson

Table of Values Which Exceed Established Standards
And/Or Exceed Reporting Levels

Facility Name: WEYERHAEUSER, NEW BERN (LANDFILL) Permit #: 2502 Lab ID# 6017

Location	Collection Date	Exceeds Std	Parameter	CAS #	Result, ug/l	NC 2L STD **	NC GWP STD **	NC 2B SWS **
OWS2	02/21/2008		Barium	7440-39-3	115	2000		

** Note: NC 2L STD = NC 2L Ground Water Standard
NC GWP STD = NC Solid Waste Groundwater Protection Standard
NC 2B SWS = NC 2B Surface Water Standard

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6017

WEYERHAEUSER, NEW BERN (LANDFILL)
MR. DAVE GARDNER
P.O. BOX 1391
NEW BERN ,NC 28560

DATE COLLECTED: 02/21/08
DATE REPORTED : 03/14/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	Leachate Canal	OWS1	OWS2	OWS3	OWD1	Analysis Date	Analyst	Method Code
PH (field measurement), Units			7.9	6.3	6.8	6.1	6.8	02/21/08	RJH	SM4500HB
Sulfate, mg/l	5.0	250.0	72.4 J	--- U	190.6 J	30.8 J	37.7 J	02/25/08	TRB	SM4500-SO4
Antimony, ug/l	0.08	6.0	0.3 J	--- U	0.6 J	--- U	--- U	02/28/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0	0.6 J	3.6 J	0.8 J	8 J	3.5 J	02/28/08	LFJ	EPA200.8
Barium, ug/l	0.11	100.0	18.9 J	36.6 J	115	70.5 J	78.4 J	02/22/88	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0	--- U	0.1 J	--- U	--- U	--- U	02/28/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0	--- U	0.1 J	0.1 J	0.1 J	0.1 J	02/28/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0	0.4 J	3.0 J	0.5 J	3.9 J	8.7 J	02/28/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0	1.7 J	1.0 J	1.9 J	4.1 J	0.4 J	02/28/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0	--- U	1.8 J	0.2 J	--- U	--- U	02/28/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0	0.1 J	0.7 J	0.3 J	0.2 J	0.3 J	02/28/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	5.8 J	1.8 J	7.9 J	3.5 J	5.2 J	02/28/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0	--- U	--- U	--- U	--- U	--- U	02/28/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0	--- U	--- U	0.1 J	0.1 J	--- U	02/28/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0	--- U	0.1 J	--- U	--- U	0.5 J	02/28/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	8.4 J	7.9 J	23 J	3.2 J	1.1 J	02/28/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0	3.7 J	3.7 J	3.6 J	3.4 J	3.4 J	02/28/08	LFJ	EPA200.8
Conductivity (at 25c), uMhos	1.0	1.0	1005	242	1379	693	727	02/21/08	RJH	SM2510B
Temperature, °C			6	9	11	14	14	02/21/08	RJH	SM2550B
Static Water Level, feet				3.83	9.00	7.40	9.10	02/21/08	RJH	
Well Depth, feet				13.96	14.36	16.23	26.43	02/21/08	RJH	

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: WEYERHAEUSER, NEW BERN (LANDFILL)
MR. DAVE GARDNER
P.O. BOX 1391
NEW BERN, NC 28560

CLIENT ID: 6017

ANALYST: MAO
DATE COLLECTED: 02/21/08
DATE ANALYZED: 02/29/08
DATE REPORTED: 03/14/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Leachate Canal	OWS1	OWS2	OWS3	OWD1
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	2.90 J	3.40 J	2.60 J	5.70 J	3.50 J
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	5.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Inc:
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6017 **Week: 6**

WEYERHAEUSER, NEW BERN (LANDFILL)
MR. DAVE GARDNER
P.O. BOX 1391
NEW BERN NC 28560

(252) 633-7427

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Sulfate	Metals	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2
CHLORINE NEUTRALIZED AT COLLECTION														
pH CHECK (LAB)								12				12	12	12
CONTAINER TYPE, P/G						P	P	P	P	P		G	G	G
CHEMICAL PRESERVATION						A	A	A	A	A		E	E	E
Leachate Canal 02	2108	0931		6	6	G	G	G	G	G		G	G	G
OWS1 02	2108	1006		9	6	G	G	G	G	G	G	G	G	G
OWS2 02	2108	0921		11	6	G	G	G	G	G	G	G	G	G
OWS3 02	2108	0951		14	6	G	G	G	G	G	G	G	G	G
OWD1 02	2108	0904		14	6	G	G	G	G	G	G	G	G	G

PARAMETERS

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
- ☐ WASTEWATER (NPDES)
- ☐ DRINKING WATER
- ☐ DWQ/GW
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print)
Hope Fox

SAMPLES RECEIVED IN LAB AT 2.6 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Rob Hope 02	2108		
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
			2/21/08 2:32
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 159149

Environment 1, Inc.

Sampled By ☑ Bob Hilgoe ☑ Bobby Fox Other:	Facility NEW BERN N.C.	Site ID 6017
	Project No.	Date (m/d/y) FEB 21 08

Site Description X Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 38 ☐ °C ☑ °F	Weather: CLEAR
Well Locked? ☑ yes ☐ no	Damaged/Repairs Needed:
x TOC Description:	
TOC Stickup: 2.44 ft. above/below ground	Well Inside Diameter (ID): x 2-inch ☐ 4-inch Other:
Site Remarks (nearby wells pumping, tide, stream stage, etc.)	

Water Level Data Measurement Units: ft. Well or Borehole Total Depth (TD) from TOC: 13.96

x E-Tape, # 2 ☐ Steel Tape ☐ Other	Pre-Purge Initial	Pre-Purge Confirmation	Purging Start	During Purging	Purging End	After Sampling	Remarks
Time (hh:mm; 24-hr clock)	0955	0955	0956	1003	1004	1006	
Depth to Water	3.83	3.83	3.83	3.91	3.94	3.95	
Tape Correction							
Water Level (WL)	3.83	3.83	3.83	3.91	3.94	3.95	
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: 3.83 ☐ Grab ☐ Bailer X Pump Description:

Casing Volume: [13.96 (TD) - _____ (WL)] • [_____ (Well ID)]^2 • [_____ (Conversion Factor)] = 1.65 gals
Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

☐ Cum. Vol. Purged ☐ Pumping Rate						(Final)	Meter Type	Remarks
Time (hh:mm; 24-hr clock)	1000	1003	1004					
pH (Temperature Corrected? ☐)	6.49	6.36	6.3				OAKTON	4.0/7.0/10.0 Buffers
Temperature, °C	9	8	9					
Dissolved Oxygen mg/L								
S Conductivity µS/cm	240	239	242				OAKTON	1413 498
Turbidity ☐ NTU								
Color/Tint	YES	YES	YES					
Odor	NO	NO	NO					

Record time purging starts and ends in "Purging Start" and "Purging End" columns in Water Level Data section. Cum. Vol. Purged: cumulative volume removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged before sampling or average pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: 3.95 ☐ Grab ☐ Bailer X Pump Description:

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
QWS 1		02 21 08	1006	6					

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: P0, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampler's Name (print) HILGOE / FOX	Signature BOB HILGOE

Data Entered into Database By:

Environment 1, Inc.

Sampled By ☐ Bob Hilgoe ☐ Bobby Fox	Facility NEW BERN N.C.	Site ID 6017
Other:	Project No.	Date (m/d/y) FEB 21 08

Site Description X Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 36 ☐ °C ☐ °F	Weather: CLEAR
Well Locked? ☐ yes ☐ no	Damaged/Repairs Needed:
x TOC Description:	
TOC Stickup: 2.17 ft. above/below ground	Well Inside Diameter (ID): X 2-inch ☐ 4-inch Other:
Site Remarks (nearby wells pumping, tide, stream stage, etc.)	

Water Level Data Measurement Units: ft. Well or Borehole Total Depth (TD) from TOC: 14.36

x E-Tape, # 2 ☐ Steel Tape ☐ Other	Pre-Purge Initial	Pre-Purge Confirmation	Purging Start	During Purging	Purging End	After Sampling	Remarks
Time (hh:mm; 24-hr clock)	0549	0549	0908	0915	0916	0921	
Depth to Water	9.00	9.00	9.00	9.49	9.51	9.52	
Tape Correction							
Water Level (WL)	9.00	9.00	9.00	9.49	9.51	9.52	
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Slickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: 9.00 ☐ Grab ☐ Bailer X Pump Description:

Casing Volume: [14.36 (TD) - _____ (WL)] • [_____ (Well ID)]^2 • [_____ (Conversion Factor)] = 0.87 gals

Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

						(Final)	Meter Type	Remarks
☐ Cum. Vol. Purged ☐ Pumping Rate	0.87	1.74	2.61					
Time (hh:mm; 24-hr clock)	0912	0914	0915					
pH (Temperature Corrected? ☐)	6.85	6.85	6.8				OAKTON	4.0/7.0/10.0 Buffers
Temperature, °C	11	11	11					
Dissolved Oxygen mg/L								
S Conductivity µS/cm	1364	1371	1379				OAKTON	1413 498
Turbidity ☐ NTU								
Color/Tint	NC	NC	NC					
Odor	NO	NO	NO					

Record time purging starts and ends in "Purging Start" and "Purging End" columns in Water Level Data section. Cum. Vol. Purged: cumulative volume removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged before sampling or average pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: 9.52 ☐ Grab ☐ Bailer X Pump Description:

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
QWS 2		022108	0921	6					

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: P0, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampler's Name (print) R. Lgoe / Fox	Signature Bob H Lgoe

Date Entered into Database _____ By _____ Page ___ of ___

Environment 1, Inc.

Sampled By ☑ Bob Hilgoe ☑ Bobby Fox Other:	Facility NEW BERN N.C.	Site ID 6017
	Project No.	Date (m/d/y) FEB 21 08

Site Description X Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 38 ☐ °C ☑ °F	Weather: CLEAR
Well Locked? ☑ yes ☐ no	Damaged/Repairs Needed:
x TOC Description:	
TOC Stickup: 2.29 ft above/below ground	Well Inside Diameter (ID): x 2-inch ☐ 4-inch Other:
Site Remarks (nearby wells pumping, tide, stream stage, etc.)	

Water Level Data Measurement Units: ft. Well or Borehole Total Depth (TD) from TOC: 16.23

x E-Tape, # 2 ☐ Steel Tape ☐ Other	Pre-Purge Initial	Pre-Purge Confirmation	Purging Start	During Purging	Purging End	After Sampling	Remarks
Time (hh:mm; 24-hr clock)	0940	0940	0942	0946	0948	0951	
Depth to Water	7.40	7.40	7.40	9.69	9.93	9.95	
Tape Correction							
Water Level (WL)	7.40	7.40	7.40	9.69	9.93	9.95	
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: 7.40 ☐ Grab ☐ Bailer X Pump Description:

Casing Volume: [16.23 (TD) - _____ (WL)] • [_____ (Well ID)]^2 • [_____ (Conversion Factor)] = 1.44 gals

Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

☐ Cum. Vol. Purged ☐ Pumping Rate						(Final)	Meter Type	Remarks
Time (hh:mm; 24-hr clock)	0944	0946	0948					
pH (Temperature Corrected? ☐)	6.19	6.14	6.1				OAKTON	4.0/7.0/10.0 Buffers
Temperature, °C	15	14	14					
Dissolved Oxygen mg/L								
S Conductivity µS/cm	675	692	693				OAKTON	1413 498
Turbidity ☐ NTU								
Color/Tint	NO	NO	NO					
Odor	NO	NO	NO					

Record time purging starts and ends in "Purging Start" and "Purging End" columns in Water Level Data section. Cum. Vol. Purged: cumulative volume removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged before sampling or average pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: 9.95 ☐ Grab ☐ Bailer X Pump Description:

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
GWS 3		022108	0951	6					

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: P0, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampler's Name (print) H. Lgoe / Fox	Signature Bob Hilgoe

Environment 1, Inc.

Sampled By ☐ Bob Hilgoe ☐ Bobby Fox Other:	Facility NEW BERN N.C.	Site ID 6017
	Project No.	Date (m/d/y) FEB 21 08

Site Description X Monitoring Well ☐ Extraction Well ☐ Irrigation Well ☐ Spring ☐ Borehole ☐ Probe Other:

Air Temp: 36 ☐ °C ☐ °F	Weather: CLEAR
Well Locked? ☐ yes ☐ no	Damaged/Repairs Needed:
x TOC Description:	
TOC Stickup: 2.12 ft. ~~above~~/below ground	Well Inside Diameter (ID): x 2-inch ☐ 4-inch Other:
Site Remarks (nearby wells pumping, tide, stream stage, etc.)	

Water Level Data Measurement Units: ft. Well or Borehole Total Depth (TD) from TOC: 26.43

x E-Tape, # 2 ☐ Steel Tape ☐ Other	Pre-Purge Initial	Pre-Purge Confirmation	Purging Start	During Purging	Purging End	After Sampling	Remarks
Time (hh:mm; 24-hr clock)	0845	0845	0850	0859	0900	0904	
Depth to Water	9.10	9.10	9.10	10.04	10.21	10.22	
Tape Correction							
Water Level (WL)	9.10	9.10	9.10	10.04	10.21	10.22	
Product Thickness							
Product Recovery ☐ gallons ☐ liters							

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data Purge Depth: 9.10 ☐ Grab ☐ Bailer X Pump Description:

Casing Volume: [26.43 (TD) - _____ (WL)] • [_____ (Well ID)]^2 • [_____ (Conversion Factor)] = 2.83 gals
Conversion Factor = 0.0408 for feet and gallons; 0.1544 for feet and liters; 0.5066 for meters and liters; Well ID in inches

Well Goes Dry While Purging ☐

☐ Cum. Vol. Purged ☐ Pumping Rate			(Final)			Meter Type	Remarks
	2.83	5.66	8.49				
Time (hh:mm; 24-hr clock)	0855	0857	0900				
pH (Temperature Corrected? ☐)	6.89	6.82	6.8			OAKTON	4.0/7.0/10.0 Buffers
Temperature, °C	14	14	14				
Dissolved Oxygen mg/L							
S Conductivity µS/cm	729	735	727			OAKTON	1413 498
Turbidity ☐ NTU							
Color/Tint	NC	NC	NC				
Odor	NC	NC	NC				

Record time purging starts and ends in "Purging Start" and "Purging End" columns in Water Level Data section. Cum. Vol. Purged: cumulative volume removed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged before sampling or average pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data Sample Depth: 10.22 ☐ Grab ☐ Bailer X Pump Description:

Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
OWD 1		02 21 08	0904	6					

Sample ID may be up to 15 characters. **Sample Result Code, Date, and Time must be entered.** Result Codes: P0, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsate, spike, and/or blank sample collection/handling in daily field notes.

Sampler's Name (print) N. Hilgoe / Fox	Signature Bob Hilgoe

Table of Values Which Exceed Established Standards
And/Or Exceed Reporting Levels

Facility Name: WEYERHAEUSER, NEW BERN (LANDFILL) Permit #: 2502 Lab ID# 6017

Location	Collection Date	Exceeds Std	Parameter	CAS #	Result, ug/l	NC 2L STD **	NC GWP STD **	NC 2B SWS **
OWS2	02/21/2008		Barium	7440-39-3	115	2000		

** Note: NC 2L STD = NC 2L Ground Water Standard
NC GWP STD = NC Solid Waste Groundwater Protection Standard
NC 2B SWS = NC 2B Surface Water Standard